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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

08/26/2008

KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614 EXAMINER

BOWERS, NATHAN ANDREW

ART UNIT PAPER NUMBER

1797

DATE MAILED: 08/26/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,168	11/26/2003	Larry Eugene West	BROAD.028A	5738

TITLE OF INVENTION: INTEGRATED BIO-REACTOR MONITOR AND CONTROL SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	11/26/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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appropriate. All further indicated unless correct maintenance fee notifica	correspondence includir ed below or directed oth	ng the Patent, advance of herwise in Block 1, by (orders and notification of n a) specifying a new corres	naintenance fees v pondence address;	vill be and/or	mailed to the current r (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
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IRVINE, CA 92	614						(Depositor's name)
			_				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	DRNEY DOCKET NO.	CONFIRMATION NO.
10/723,168	11/26/2003		Larry Eugene West			BROAD.028A	5738
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nonprovisional	NO	\$1440	\$300	\$0		\$1740	11/26/2008
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BOWERS, NAT	HAN ANDREW	1797	435-289100				
	oondence address (or Cha B/122) attached.						
☐ "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	lication (or "Fee Address 02 or more recent) attach	registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)							
Please check the appropr	riate assignee category or	categories (will not be p	rinted on the patent): \Box	Individual	orporati	ion or other private gro	up entity Government
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (Plea	se first reapply aı	ny prev	viously paid issue fee s	shown above)
Issue Fee	No small entity discount r	permitted)	☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.				
☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
5. Change in Entity Sta	tus (from status indicate	d above)	overpayment, to Depo	sit Account Number	er	(eliciose ai	rextra copy of this form).
••	ns SMALL ENTITY state		b. Applicant is no long				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepte ites Patent and Trademark	ed from anyone other than the Office.	ne applicant; a regi	stered	attorney or agent; or th	e assignee or other party in
Authorized Signature				Date			
Typed or printed name				Registration N	lo		
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.							

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KNOBBE MAR	TENS OLSON & BΕ	BOWERS, NAT	HAN ANDREW	
2040 MAIN STRE		ART UNIT	PAPER NUMBER	
FOURTEENTH FI		1797		
IRVINE, CA 9261	4	DATE MAIL ED: 08/26/2008		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 538 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 538 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)				
	10/723,168	WEST, LARRY EUGENE				
Notice of Allowability	Examiner	Art Unit	-· · -			
	NATHAN A. BOWERS	1797				
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communic GHTS. This application is sub	is application. If not include cation will be mailed in due	ed course. THIS			
_						
2. The allowed claim(s) is/are <u>3, 5-11, 16-24, 38, 40-42</u> .						
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	been received. been received in Application I	No	tion from the			
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	IENT of this application.					
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			OTICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	et be submitted.					
(a) I including changes required by the Notice of Draftspers	,	PTO-948) attached				
1) ☐ hereto or 2) ☐ to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in t			back) of			
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s)	E Motion of Infor	mal Datant Application				
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 	6. ☐ Interview Sum	mal Patent Application				
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No./Ma	ail Date nendment/Comment				
Paper No./Mail Date <u>073008, 080808</u>	<u> </u>		wanaa			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8. ☑ Examiner's Sta	atement of Reasons for Allo	wance			

DETAILED ACTION

Allowable Subject Matter

Claims 3, 5-11, 16-24, 38 and 40-42 are allowed.

With respect to independent claims 3 and 38, the prior art does not disclose, in the claimed environment, a bioreactor control system comprising a utility tower comprising a monitoring system that transmits information related to a condition of the bioreactor to a controller, a bioreactor supply system, and either an agitation system or temperature control system. The previously applied Zeitlin and Cannon references each teach that it is known to relay information from a reactor to a controller using a transmitting device. These references, however, do not disclose that the transmitting device is a separately housed utility tower that also is capable of supplying a substance to the bioreactors in response to the control signal.

Furthermore, the prior art does not teach the use of a utility tower that comprises an agitation system, or a temperature control system capable of heating or cooling the bioreactors. The transmitting devices of the prior art simply convey information to and from the controller, and do not include physical fluid supply, agitation, and temperature control devices.

The Galliher (US 20080068920) reference describes relevant teachings regarding the use of a utility tower (see Figure 3), however Galliher is not prior art.

Throughout the course of prosecution, no rejections were made under 35 U.S.C. 102(f). A few documents were presented in various IDS submissions which suggested that perhaps the invention might have been invented by another. However, each of these assertions was directly, thoroughly and specifically contradicted by Applicant. Accordingly, there was never a

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preponderance of evidence set forth in these disclosures to support a rejection under 35 U.S.C. 102(f).

Double Patenting

The previously applied double patenting rejections over the claims of copending Application No. 11/057,079 have been withdrawn in accordance with MPEP 804 and MPEP 1490.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NATHAN A. BOWERS whose telephone number is (571)272-8613. The examiner can normally be reached on Monday-Friday 7 AM to 4 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on (571) 272-1267. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William H. Beisner/ Primary Examiner, Art Unit 1797

/Nathan A Bowers/ Examiner, Art Unit 1797